#3 04/02/01

RAW SEQUENCE LISTING

DATE: 03/26/2001

PATENT APPLICATION: US/09/714,936

TIME: 11:51:33

Input Set : D:\PT_FL.797.111000

```
ENTERED
      6 <110> APPLICANT: Tang, Y. Tom
      7
              Zhou, Ping
      8
              Goodrich, Ryle
     9
              Liu, Chenghua
     10
              Asundi, Vinod
              Ren, Feiyan
     11
     12
              Zhang, Jie
              Zhao, Qing A.
     13
     14
              Xue, Aidong J.
     15
              Yang, Yonghong
     16
             Wehrman, Tom
     17
              Drmanac, Radoje T.
     20 <120> TITLE OF INVENTION: Novel Nucleic Acids and
     21
              Polypeptides
     25 <130> FILE REFERENCE: 797
C--> 27 <140> CURRENT APPLICATION NUMBER: US/09/714,936
     28 <141> CURRENT FILING DATE: 2000-11-17
     30 <160> NUMBER OF SEQ ID NOS: 362
    32 <170> SOFTWARE: pt_FL_genes Version 2.0
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    40 <212> TYPE: DNA
    41 <213> ORGANISM: Homo sapiens
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    44 <221> NAME/KEY: CDS
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                                                                              120
    52 ccagacagaa cctctggcta caaagctcca gaatggaagc ccactgcctg agagagctca
    54 tocagaagta aatggagaca ccaagtggca ctctttcaaa agttattatg gaataccctg
                                                                              240
    56 tatgaaggga agccagaata gtcgtgtgag tcctgacttt acacaagaaa gtagagggta
                                                                              300
                                                                              360
    58 ttccaagtgt ttgcaaaatg gaggaataaa acgcacagtt agtgaacett ctctctctgg
    60 gctccttcag atcaagaaat tgaaacaaga ccaaaaggct aatggagaaa gacgtaactt
                                                                              420
    62
        cggggtaagc caagaaagaa atccaggtga aagcagtcaa ccaaatgtct ccgatttgag
                                                                              480
                                                                              540
    64
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    66
        tttttcaaca cataactgca gtgggcctga aaatccagag cttcagattc tgaatgagca
                                                                              600
    68
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                                                                              660
    70 gctaatgcct aatggtgcta cagtttctgc ctcttccgtg gaacacacac atggtgaact
                                                                              720
    72 cctggaaaaa acactgtctc aatattatcc agattgtgtt tccattgcgg tgcagaaaac
    74 cacateteae ataaatgeea ttaacagtea ggetaetaat gagttgteet gtgagateae
                                                                              840
    76 tcaeccateg cataceteag ggeagateaa tteegeacag acetetaaet etgagetgee
                                                                              900
    78 tocaaageca getgeagtgg tgagtgagge etgtgatget gatgatgetg ataatgeeag
                                                                              960
    80
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                                                                             1020
        attaatcagt ttttgagata tgcccatctc ctgcagaaaa taacatccag ggaaccacaa
                                                                             1080
    84
        agctagcgtc tggtgaagaa ttetgttcag gttccagcag caatttgcaa gctcctggtg
                                                                             1140
    86 gcagctctga acggtattta aaacaaaatg aa atg aat ggt gct tac ttc aag
                                                                             1193
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RAW SEQUENCE LISTING DATE: 03/26/2001 PATENT APPLICATION: US/09/714,936 TIME: 11:51:33

Input Set : D:\PT_FL.797.111000
Output Set: N:\CRF3\03262001\I714936.raw

87	Met Asn Gly Ala Tyr Phe Lys 1 5																
88												~~~	act	200	202	CCP	1241
90	caa	agc	tca	gtg	ttc	act	aag	gat	Con	Dho	Cox	31a	Thr	mhr	Thr	Dro	1241
91	Gln	Ser		Vaĺ	Pne	Thr	гуѕ		ser	Pne	Set	Ala	20	1111	1 111	110	
92			10				_ 1_ 1_	15	4	~~~	aat	aat		att	002	Cac	1289
94	cca	cca	cca	tca	caa	ttg	CTT	CLL	COL	Dmo	Dwo	Dro	Dro	Tou	Dro	Gln	1203
95	Pro		Pro	Ser	GIn	Leu		Leu	ser	PIO	PIO	35	PIO	цец	FIO	GIII	
96		25					30				2.0±		22+	aat	aaa	att	1337
98	gtt	cct	cag	ctt	CCT	tca	gaa	gga	dad	age	mbr	Lou	Aan	232	Gl ₁₇	Val	1337
99			GIn	Leu	Pro			GIĀ	ГÃЗ	ser	5(ASII	Gry	GIY	55	
100	40					4.5								202	att		1385
102	tta	gaa	a gaa	a cac	cac	cac	tac	000	ad.	c Ca	a ayı	L aat	s aca	n aca	LOL	tta	1303
103	Leu	GI	ı Gil	1 H1S			ту1	PIC) AS	11 GI		L ASI	1 1111	. 1111	70	ı Leu	
104					60		. ~~.						a cct	too			1433
106	agg	gaa	gto	g aaa	ala	gaç	991	. dad	i CC	c gai	y yce	a CCC	a CCC	Sar	· Glr	g agt n Ser	1100
107	Arg	GI	ı val			GI	r GT)	у груз	8		u Alc	Z FI	<i>J</i> F10	85	. О	1 001	
108				75			. ~+.	. + ~ .			+ + 01	+ 00/	a ato			- daa	1481
110	cct	. aai	CC	tet	. aca	Cal	. y.c	t tyc	ay	o cc	201	r Dr	y acg	T.61	1 501	gaa Glu	1101
111	Pro) ASI			THI	нта	, va.	. Cy:		I PI) se.	L FI	100		1 501	c Glu	
112			9(-		~ ~~	+ (12)	a at:			aca	a ggg	1529
114	agg	CCI	caç	g aat	aat	. Lyt	- 9 L	jaat	ay.	y aa m he	n Aci	, al	a Clr	n Thr	- Ala	a Gly	1020
115	Arg			1 ASI	ASI.	су:	, va. 11(1 A.L.	y AS	n vəl	11:		1 1111		. 011	
116		10		- ~++		. ++		-	- 173	α aa.	a aca			ato	r tea	a gaa	1577
118	aca	ale	g act	. 37.1	Droc	TO	y Cor	- CO1	- 9a - 61	9 aa.	a acc	r Are	a Pro	Met	Sei	c Glu	
119	120		TIII	r vai	. PIC	125		5 DE1	. 61	u ny	130		9 110	, 1100		135	
120				- ast				a att	- ++	t aa			t aas	a dad	r eta	a cag	1625
122	Cac	CLO	. aaq	y Cat	. aac	Dro	Dr	a al	Dh	⊏ G1.	v Se	r Se	r Gli	r Glu	, cei	ı Gln	
123 124	HIE	Lei	: איד ד	э пта	140) [1) 11(<i>-</i> 111	14				-	150)	
124	a 2 c		r taa	r cac			ı atı	r aga	а аа		-	or caa	a qaq	att	cto	g aag	1673
127	ηαc	λαι	o Cve	e Glr	Glr	T.e.	ı Me	h Are	ı As	n Tv	s Gli	u Gli	n Gli	1 Ile	e Lei	ı Lys	
128	VPF	, HOI	л су.	155		LC	1 110		16					165	5	-	
130	aat	. ca	a dad			r caa	а аса	a cas			t at	a cc	c cca	a aca	a ca	g cac	1721
131	G1 t	·Δr	ι Δαι	o Lve	Gli	Gli	n Th	r Are	ı As	p Le	u Va	1 Pro	o Pro	Thr	c Gli	n His	
132	011		170					17		_			180				
134	tat	cti			a a a a	ı ta	at	t qaa	a tt	q aa	g gc	c cc	t. cgt	ttt:	cad	c caa	1769
135	TVτ	Lei	ı Lv:	s Pro	Gls	Tri	o Il	e Ğlı	ı Le	u Ly	s Ala	a Pr	o Arg	g Phe	e His	s Gln	
136	-1-	18			2		19			-		19					
138	acc			e cat	: cta	aaa	a ca	t aa	t ga	g gc	a tc	a ct	g cca	a toa	att	t ctt	1817
139	Alā	Gl	ı Se	r His	Leu	ı Lys	s Ar	g Ası	n Ğl	u Al	a Se	r Le	u Pro	Ser	r Ile	e Leu	
140	200					20		-			21					215	
142	cac	r ta	t caa	a ccc	aat	cto	e to	c aa	t ca	a at	g ac	c to	c aaa	a caa	a ta	c act	1865
143	Glr	TV:	r Gli	n Pro	Asr	ı Lei	ı Se	r Ası	n Gl	n Me	t Th	r Se	r Lys	s Glr	n Ty:	r Thr	
144		- 4			220					22					23	C	
146	qqa	aa	t to	c aac	ato	g cct	t gg	g gg	g ct	c cc	a ag	g ca	a gct	tac	c acc	c cag	1913
147	Ğĺs	As	n Se	r Asr	n Met	Pro	G_1	y Gī	y Le	u Pr	o Ar	g Gl	n Ala	а Туг	r Th	r Gln	
148				235	5				24	0				245	5		
150	aaa	ac	a ac	a cag	g ct	g ga	g ca	c aa	g tc	a ca	a at	g ta	c caa	a gtt	t gaa	a atg	1961
151	Lys	Th	r Th	r Glr	ı Let	ıGlı	ı Hi	s Ly	s Se	r Gl	n Me	t Ty	r Glı	n Val	l Gl	u Met	

RAW SEQUENCE LISTING DATE: 03/26/2001 PATENT APPLICATION: US/09/714,936 TIME: 11:51:33

Input Set : D:\PT_FL.797.111000

152			250					255					260				
154	aat	саа		cad	tcc	саа	ggt		ata	gac	саа	cat		cad	ttc	caa	2009
155			-				Gly										2005
156	******	265	011	0.211	001	0.2.11	270		,	1101	01	275		· · · ·			
158	aaa		tca	cac	caq	ata	cac	ttc	tcc	aaa	aca		cat	tta	cca	aaa	2057
159					-		His					-					
160	280				0.2.1	285			002	270	290					295	
162		cat	at.a	caα	t.ca		tqt	aac	act.	aαa		cat.	t.t.t.	саа	caa		2105
163	_					_	Cys									_	
164	1110		,	01	300	204	010	011	1111	305				0111	310	9	
166	qca	gat	tcc	caa		σaa	aaa	ctt	atq	tcc	cca	ata	tta	aaa	caq	cac	2153
167	-	-				-	Lys		_			-	_		_		
168				315			1		320					325			
170	tta	aat	caa	caq	qct	tca	gag	act	qaq	cca	ttt	tca	aac	tca	cac	ctt	2201
171	-			-	-		Glu										
172			330					335					340				
174	ttg	caa	cat	aaq	cct	cat	aaa	caq	qca	gca	caa	aca	caa	cca	tcc	caq	2249
175							Lys										
176		345		-			350					355					
178	agt	tca	cat	ctc	cct	caa	aac	cag	caa	cag	cag	caa	aaa	tta	caa	ata	2297
179	Ser	Ser	His	Leu	Pro	Gln	Asn	Gln	Gln	Gln	Gln	Gln	Lys	Leu	Gln	Ile	
180	360					365					370					375	
182	aag	aat	aaa	gag	gaa	ata	ctc	cag	act	ttt	cct	cac	ccc	caa	agc	aac	2345
183	Lys	Asn	Lys	Glu	Glu	Ile	Leu	Gln	Thr	Phe	Pro	His	Pro	Gln	Ser	Asn	
184					380					385					390		
186	aat	gat	cag	caa	aga	gaa	gga	tca	ttc	ttt	ggc	cag	act	aaa	gtg	gaa	2393
187	Asn	Asp	Gln	Gln	Arg	Glu	Gly	Ser	Phe	Phe	Gly	Gln	Thr	Lys	Val	Glu	
188				395					400					405			
190	gaa	tgt	ttt	cat	ggt	gaa	aat	cag	tat	tca	aaa	tca	agc	gag	ttc	gag	2441
191	Glu	Cys	Phe	His	Gly	Glu	Asn	Gln	Tyr	Ser	Lys	Ser	Ser	Glu	Phe	Glu	
192			410					415					420				
194	act	cat	aat	gtc	caa	atg	gga	ctg	gag	gaa	gta	cag	aat	ata	aat	cgt	2489
195	Thr	${ t His}$	Asn	Val	Gln	Met	Gly	Leu	Glu	Glu	Val	Gln	Asn	Ile	Asn	Arg	
196		425					430					435					
198	aga	aat	tcc	cct	tat	agt	cag	acc	atg	aaa	tca	agt	gca	tgc	aaa	ata	2537
199	Arg	Asn	Ser	Pro	Tyr	Ser	Gln	Thr	Met	Lys	Ser	Ser	Ala	Cys	Lys	Ile	
200	440					445					450					455	
202	_	-		_			aat				_					_	2585
203	Gln	Val	Ser	Cys		Asn	Asn	Thr	His		Val	Ser	Glu	Asn	-	Glu	
204					460					465					470		
206	-					-	ctt		_			-				-	2633
207	Gln	Thr	Thr		Pro	Glu	Leu	Phe		Gly	Asn	Lys	Thr		Asn	Leu	
208				475					480					485			
210			-				cca						-		-		2681
211	His	His		Gin	Tyr	Phe	Pro		Asn	Val	IIe	Pro	~	GIn	Asp	Leu	
212			490					495					500				0.000
214				-			gaa	_	-	_	_				-		2729
215	Leu		Arg	Cys	Phe	GIn	Glu	GIn	GLu	GIn	Lys		GIn	GIn	Ala	Ser	
216		505					510					515					

RAW SEQUENCE LISTING DATE: 03/26/2001 PATENT APPLICATION: US/09/714,936 TIME: 11:51:33

Input Set : D:\PT_FL.797.111000
Output Set: N:\CRF3\03262001\I714936.raw

218 gtt cta cag gga tat aaa aat aga aac caa gat atg tct ggt caa caa 219 Val Leu Gln Gly Tyr Lys Asn Arg Asn Gln Asp Met Ser Gly Gln Gln gct gcg caa ctt gct cag caa agg tac ttg ata cat aac cat gca aat 223 Ala Ala Gl
n Leu Ala Gl
n Gl
n Arg Tyr Leu Ile His As
n His Ala As
n $\,$ 226 gtt ttt cet gtg cet gae eag gga gga agt cae act eag ace eet eec 227 Val Phe Pro Val Pro Asp Gln Gly Gly Ser His Thr Gln Thr Pro Pro 230 cag aag gac act caa aag cat gct gct cta agg tgg cat ctc tta cag 231 Gln Lys Asp Thr Gln Lys His Ala Ala Leu Arg Trp His Leu Leu Gln aaq caa gaa caq cag caa aca cag caa ccc caa act gag tct tgc cat Lys Gln Glu Gln Gln Gln Thr Gln Gln Pro Gln Thr Glu Ser Cys His 238 agt cag atg cac agg cca att aag gtg gaa cct gga tgc aag cca cat 239 Ser Gln Met His Arg Pro Ile Lys Val Glu Pro Gly Cys Lys Pro His 242 gcc tgt atg cac aca gca cca gaa aac aaa aca tgg aaa aag gta 243 Ala Cys Met His Thr Ala Pro Pro Glu Asn Lys Thr Trp Lys Lys Val 246 act aag caa gag aat eea eet gea age tgt gat aat gtg eag eaa aag Thr Lys Gln Glu Asn Pro Pro Ala Ser Cys Asp Asn Val Gln Gln Lys 250 age atc att gag acc atg gag cag cat ctg aag cag ttt cac gcc aag 251 Ser Ile Ile Glu Thr Met Glu Gln His Leu Lys Gln Phe His Ala Lys 254 tcg tta ttt gac cat aag gct ctt act ctc aaa tca cag aag caa gta 255 Ser Leu Phe Asp His Lys Ala Leu Thr Leu Lys Ser Gln Lys Gln Val 258 aaa gtt gaa atg tca ggg cca gtc aca gtt ttg act aga caa acc act Lys Val Glu Met Ser Gly Pro Val Thr Val Leu Thr Arg Gln Thr Thr get qua qua ett qut age euc dec eeu get tta qug euq euu acu act 263 Ala Ala Glu Leu Asp Ser His Thr Pro Ala Leu Glu Gln Gln Thr Thr 266 tot toa gaa aag aca coa aco aaa aga aca got got tot gtt oto aat 267 Ser Ser Glu Lys Thr Pro Thr Lys Arg Thr Ala Ala Ser Val Leu Asn 270 aat ttt ata gag tca cct tcc aaa tta cta gat act cct ata aaa aat 271 Asn Phe Ile Glu Ser Pro Ser Lys Leu Leu Asp Thr Pro Ile Lys Asn 274 tta ttg gat aca cct gtc aag act caa tat gat ttc cca tct tgc aga $\,$ Leu Leu Asp Thr Pro Val Lys Thr Gln Tyr Asp Phe Pro Ser Cys Arg 278 tgt gta gat cot gta aaa ttt gaa tgt atc tgt ttt aga tca att cgc 279 Cys Val Asp Pro Val Lys Phe Glu Cys Ile Cys Phe Arg Ser Ile Arg 282 cta ttt agc tct ttg tat att atc tcc tgg aga gac agc tag



DATE: 03/26/2001 RAW SEQUENCE LISTING TIME: 11:51:33 PATENT APPLICATION: US/09/714,936

Input Set : D:\PT_FL.797.111000

Output Set: N:\CRF3\03262001\I714936.raw

283	Leu	Phe	Ser	Ser		Tyr	Ile	Ile	Ser		Arg	Asp	Ser	*			
284					780					785							
	<210> SEQ ID NO: 2																
		<211> LENGTH: 1342 <212> TYPE: DNA															
-					· · · · · · · · · · · · · · · · · · ·	~											
	<213				HOIIIO	sap.	rens										
	<220				ane												
	<221: <222:		•			,00	0.4.5										
	<400					(0 :	94)										
300						- a a	700	a+1	7 ac	~ ++.	~ ca	r ca	י מכי	r cto	T Cad	r cta	51
301																	
302																	
304	aca	acc	tac	aaa	cta	gcc	aaa	-	-	acc	acc	at.a	ata	tte	t.ca	acc	99
305	λla	λla	Cve	610	Len	Ala	233	Glv	Ser	Ala	Ala	Val	Leu	Phe	Ser	Ala	
306	10	niu	Cys	OLY	LIC U	15	011	O. I	001	11.1.4	20					25	
308		aca	ata	aaa	aad	ccg	cac	aca	aac	aaa		aca	σασ	cca	cac		147
309						Pro											
310	va.	1114	1 44 1	0.1.7	30	-10	*** 5		011	35	1-				40	-	
312	act	αaα	cca	cca		tgg	ada	aaa	aac	-	caa	cca	aac	ccc		atc	195
313	Ala	Glu	Pro	Pro	Ala	Trp	Ala	Glv	Glv	Ala	Arq	Pro	Glv	Pro	Glv	Val	
314	III	0.1.0		45				0_1	50		2		2	55			
316	taa	gac	ccc		t.aa	gac	aσσ	cga	gaa	cca	cta	tct	ctq	atc	aac	ata	243
317	Trn	Asp	Pro	Asn	Trp	Asp	Ara	Ara	Glu	Pro	Leu	Ser	Leu	Ile	Asn	Val	
318		1105	60			TOP	,	65					70				
320	caa	aaa		aac	ata	gaa	tct		gaa	gaa	gag	ctq	qeq	tcc	aaq	ctq	291
321						Ğlu											
322		75	-				80	_				85					
324	gac	cac	tac	aaa	gcc	aag	gcc	acg	cgg	cac	atc	ttc	ct.c	atc	agg	cat	339
325	Asp	His	Tyr	Lys	Ala	Lys	Ala	Thr	Arg	His	Ile	Phe	Leu	Ile	Arg	His	
326	90					95					100					105	
328	tcc	cag	tac	cac	gtg	gat	ggc	tcc	ctg	gag	aag	gac	cgc	act	ctg	acc	387
329	Ser	Gln	Tyr	His	Val	Asp	Gly	Ser	Leu	Glu	Lys	Asp	Arg	Thr	Leu	Thr	
330					110					115		-			120		
332	ccg	ctg	ggt	cgg	gag	cag	gct	gaa	ctc	act	ggg	ctc	cac	ctg	gca	agc	435
333	Pro	Leu	Gly	Arg	Glu	Gln	Ala	Glu	Leu	Thr	Gly	Leu	Arg	Leu	Ala	Ser	
334				125					130					135			
336						aat											483
337	Leu	Gly	Leu	Lys	Phe	Asn	Lys		Val	His	Ser	Ser		Thr	Arg	Ala	
338			140					145					150				F 2 4
340						atc											531
341	Ile		Thr	Thr	Asp	Ile		Ser	Arg	His	Leu		GLY	Val	Cys	Lys	
342		155					160					165					E70
344						ctg											579
345		Ser	Thr	Asp	Leu	Leu	Arg	Glu	GLY	Ala		тте	GLU	РГО	ASP		
346	170					175					180	الحط	.	~~-	~~~	185	627
348	CCC	gtg	tct	cat	tgg	aag	ccg	gaa	gct	gtg	cag	tat	cac	gaa	gac	gga Cl.	627
349	Pro	val	ser	HlS		Lys	Pro	GIU	ата	195	GIN	Tyr	тĂI,	GIU	200	ЭΤΆ	
350					190					T 3 3					200		
_																	

Please Note:

Use of n and/or Xaa hav been d t cted in the Sequence Listing. Please review the Sequence Listing to ensure that a c rresponding explanation is presented in the <220> to <223> fields f each sequence which presents at least one n or Xaa.



VERIFICATION SUMMARY DATE: 03/26/2001 PATENT APPLICATION: US/09/714,936 TIME: 11:51:34

Input Set : D:\PT_FL.797.111000

```
L:27 M:270 C: Current Application Number differs, Replaced Current Application Number
L:374 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:531 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:934 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:6
L:1195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7
L:1625 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
L:2054 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:2961 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:4323 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:30
L:5723 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:37
L:6638 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:42
L:6988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:7550 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:49
L:7797 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
L:7937 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:52
L:8080 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
L:8708 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:57
L:9741 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:64
L:9940 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:65
L:10070 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:67
L:10249 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:70
L:10518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 L:10520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 L:10522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:10595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:74
L:11158 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:78
L:11742 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:80
L:11970 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:82
L:12662 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:88
L:12983 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:89
L:13007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:13045 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:90
L:13482 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:95
L:15582 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:111
L:15925 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:115
L:15980 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:116
L:16328 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:118
L:16823 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:121
L:16951 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:122
L:16979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:17170 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:124
L:17793 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:129
L:18475 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:138
L:18541 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:139
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 VERIFICATION SUMMARY
 DATE: 03/26/2001

 PATENT APPLICATION: US/09/714,936
 TIME: 11:51:34

Input Set : D:\PT_FL.797.111000

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L:18838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141
L:18982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:19191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:19230 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:145
L:19387 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:147
L:19954 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:152
L:20161 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:153
L:20268 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:154
L:20438 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:156
L:20545 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:157
L:20870 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:160
L:21036 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:162
L:21109 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:163
L:21230 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:164
L:21390 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:166
L:21962 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:168
L\!:\!22720~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:176
L:22892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:26259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:26857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:30137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:239
L:32576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260
L:33279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269
L:33708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275
L:34295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281
L:38209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326
L:38553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:38914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:38916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:38918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:40136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:349
L:40710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356
\text{L:}40714~\text{M:}341~\text{W:} (46) "n" or "Xaa" used, for SEQ ID#:356
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